

Human NP cell isolation and culture

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 An abbreviated version of this protocol was published in eLIFE in Mar 2020

p16 deficiency attenuates intervertebral disc degeneration by adjusting oxidative stress and nucleus pulposus cell cycle

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Related files

 Protocol - NP cells isolation.docx



How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Ren, Y. (2020). Human NP cell isolation and culture. Bio-protocol Preprint. bio-protocol.org/prep660.
2. Che, H., Li, J., Li, Y., Ma, C., Liu, H., Qin, J., Dong, J., Zhang, Z., Xian, C. J., Miao, D., Wang, L. and Ren, Y. (2020). p16 deficiency attenuates intervertebral disc degeneration by adjusting oxidative stress and nucleus pulposus cell cycle. eLIFE. DOI: [10.7554/eLife.52570](https://doi.org/10.7554/eLife.52570)

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